BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

me of the work: Estimate for Improvements to Roads & Drains near Aproova Apartments Surroundings Roads in Ward No. 10 (Doddabommasandra) Vidyaranyapura Sub ision.

						Estimate Cost:		3000000.00
Description	Unit	No.	L	B	D	Qty	Rate	Amount
SRRB 300-1. Earth work excavation by manual neans in ordinary soil involving an average orizontal throw upto 2 meters and an average lift pto 0.5m, excavated surface leveled and sides eatly dressed, the disposed earth to be leveled eatly after breaking of clods complete as per pecifications complete as per specifications ORTH chapter 3. **Page No. 138 / Item No. 19.1 / WD SR 2014-15**	Cum							
For CC Road 1st Cross Kateramma Temple		1	90.00	5.00	0.15	67.50		
7th Cross		1	30.00	5.00	0.15	22.50		
6th Cross		1	39.00	5.00	0.15	29.25		
5th Cross		1	39.00	5.00	0.15	29.25		
AK Colony		1	31.00	4.50	0.15	20.93		
Rammakka Dasappa layout		1	104.00	5.00	0.15	78.00		
Cross Road		1	31.00	4.00	0.15	18.60		
Culvert		5	5.60	2.00	1.20	67.20		
						333.23	75.60	**25192.00**
Basic Rate	70.00							
Area Weightage @8%	5.60							
Total	**75.60**							
SRB 4-1.3 : Providing and laying in position plain ement concrete of **mix 1:4:8 with OPC cement 180 kgs with 40mm** and down size graded ranite metal coarse aggregates @ 0.85cum and he aggregares @ 0.57 cum machine mixed, oncrete laid in layers not, exceeding 15cms, thick, ell compacted, in foundation and plinth, including ost of all materials, labour, HOM of machinery, uring complete as per specifications. Specification KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 14-15**	Cum							
For CC Road 1st Cross Kateramma Temple		1	90.00	5.00	0.15	67.50		
7th Cross		1	30.00	5.00	0.15	22.50		
6th Cross		1	39.00	5.00	0.15	29.25		
5th Cross		1	39.00	5.00	0.15	29.25		
AK Colony		1	31.00	4.50	0.15	20.93		
Rammakka Dasappa layout		1	104.00	5.00	0.15	78.00		
Cross Road		1	31.00	4.00	0.15	18.60		
Culvert		5	5.60	1.80	0.15	7.56		
						273.59	4847.04	1326077.00
Basic Rate	4488.00							
Area Weightage @ 8%	359.04							
Total	**4847.04**							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.12 / PWD SR 2014-15**	Cum							
		2x5	5.60	0.60	0.90	30.24		
						30.24	4773.60	**144354.00**
Basic Rate	4420.00							
Area Weightage @ 8%	353.60							
Total	**4773.60**							
SRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely ming, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
		2x5	5.60		0.90	50.40		
						50.40	92.88	**4681.00**
Basic Rate	86.00							
Area Weightage @ 8%	6.88							
Total	**92.88**							
SRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 5/ PWD SR 2014-15**	Cum							
Pointing		5	5.60	1.80	0.10	5.04		
Ramp		2x5	5.60	1.00	0.15	8.40		
						13.44	5327.64	**71603.00**
Basic Rate	4933.00							
Area Weightage @ 8%	394.64							
Total	**5327.64**							
SRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.6.4/ PWD SR 2014-15**	Sqm							
For Culverts Bottom		5	5.60	0.60		16.80		
Side Walls		2x5	5.60		0.23	12.88		
		2x5	1.80		0.23	4.14		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
						33.82	292.68	**9898.00**
Basic Rate	271.00							
Area Weightage @ 8%	21.68							
Total	**292.68**							
KSRB 4.2.2 : Providing and laying in position **einforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and own size graded granite metal**, coarse ggregates @ 0.878 cum and fine aggregates @ 459 cum with superplastisiser @ 3lts confirming IS 9103-1999 reaffirmed-2008 machine mixed, oncrete laid in layers not exceeding 15cms thick, ibrated for all works in foundation plinth and round floor level for roof slabs, staircase, lintels, etaining walls, walls (any thickness) including ttached plasters, column, piers, abutments, pillars, osts, struts, buttresses, string or lacing courses, arapets, coping, bed blocks, anchor blocks, plain indow cills, fillets etc, including cost of all aterials, labour, HOM of machinery, curing, omplete as per specifications. Specification No. BS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-5**	Cum							
Culvert		5	5.60	1.80	0.23	11.59		
						11.59	6065.28	**70309.00**
Basic Rate	5616.00							
Area Weightage @ 8%	449.28							
Total	**6065.28**							
SRB 4.9.2: Providing T.M.T steel reinforcement R.C.C work including straightening, cutting, nding, hooking, placing in position, lapping and / welding wherever required, tying with binding and anchoring to the adjoining members ever necessary complete as per design (laps, and wastage shall not be measured and cost pf materials, labour, HOM of machinery plete as per specifications. Specification No. 4.5.3 **TMT Bars Fe 500 Page No. 17 / Item 6.2 / PWD SR 2014-15**	Tonne							
75 Kg/Cum		0.075	11.59			**0.87**	78351.84	**68119.00**
Basic Rate	72548.00							
Area Weightage 8%	5803.84							
Total	**78351.84**							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
SRP 4-1.5 : Providing and laying in position plain ement concrete of **mix M20 with OPC cement @ 00 kgs, with 20mm** and down size graded granite etal coarse aggregates @ 0.64 cum and fine ggregares @ 0.43 cum with superplastisiser @ ts confirming to IS9103-1999 reaffirmed-2008, achine mixed, concrete laid in layers not ceeding 15cms, thick, well compacted, in undation, plinth and cills, including cost of all aterials, labour, HOM of machinery, curing mplete as per specifications, specification. No. BS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2014-**	Cum							
For CC Road 1st Cross Kateramma Temple		1	90.00	5.00	0.10	45.00		
7th Cross		1	30.00	5.00	0.10	15.00		
6th Cross		1	39.00	5.00	0.10	19.50		
5th Cross		1	39.00	5.00	0.10	19.50		
AK Colony		1	31.00	4.50	0.10	13.95		
Rammakka Dasappa layout		1	104.00	5.00	0.10	52.00		
Cross Road		1	31.00	4.00	0.10	12.40		
						177.35	5852.52	**1037944.00**
Basic Rate	5419.00							
Area Weightage @ 8%	433.52							
Total	**5852.52**							
acuum De-watering with vaccum pump and ction mat and compaction with skin floater bbed with floating disc including cost of erator HOM of machinery Screed Vibratiry, wer Floater, blade and disc etc., with all lead and Page **No. 171 / Item No. 22.7 / PWD SR 2014-**	Sqm							
For CC Road 1st Cross Kateramma Temple		1	90.00	5.00		450.00		
7th Cross		1	30.00	5.00		150.00		
6th Cross		1	39.00	5.00		195.00		
5th Cross		1	39.00	5.00		195.00		
AK Colony		1	31.00	4.50		139.50		
Rammakka Dasappa layout		1	104.00	5.00		520.00		
Cross Road		1	31.00	4.00		124.00		
						1773.50	97.20	**172384.00**
Basic Rate	90.00							
Area Weightage @ 8%	7.20							
Total	**97.20**							
ing groove cutting for **cement pavement** of 5mm to 10mm and depth 800mm-100mm ing cost of cutting machine, generator and of machinery, including cost of blade, coolant cluding cleaning of groove and providing hot bitumen fillarsm and filler metal etc ing of conveyance of all materials, labour, and lift charges and all other incidental as per drawing and as per specifications 172 / Item No. 22.8 / PWD SR 2014-15**	Rmt							
		9	5.00			45.00		

(6)

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		3	5.00			15.00		
		4	5.00			20.00		
		4	5.00			20.00		
		3	4.50			13.50		
		10	5.00			50.00		
		3	4.00			12.00		
						175.50	124.20	**21797.00**
Basic Rate	115.00							
Area Weightage @ 8%	9.20							
Total	**124.20**							
...d for Disposal of Debris shall be payable at ...riage rates by Mechanical means inlcuding ...ding and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1			**233.26**	73.57	**17161.00**
...erage weight of earth 1.28 tonne / kg for ...0X1.28X2.00 = 5.12	5.12							
...WD SR 2014-15 (P.130 / I.17.1) For loading and ...oading	63.00							
	68.12							
Area Weightage @ 8%	5.45							
Total	**73.57**							
...b Total								**2969519.00**
...rd Party Inspection Charges @ 1%								**29695.00**
...cellaneous and other Charges	L/S							**786.00**
							Total	**3000000.00**

(Rs. Thirty Lakhs Only)

...FICATE:

...work spot has been inspected and the work is found necessary.

...stimate is prepared as per PWD SR of 2014-15.

...work included under 2014-15 MLA Grant.

...provisions were made in this estimate are necessary and adequate.

...works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Administrative Approval
Accorded For 30.00 lakh Rs
Head of A/C.....
CER NO :..05 Dt:19.08.15

TA

CE (YNK)

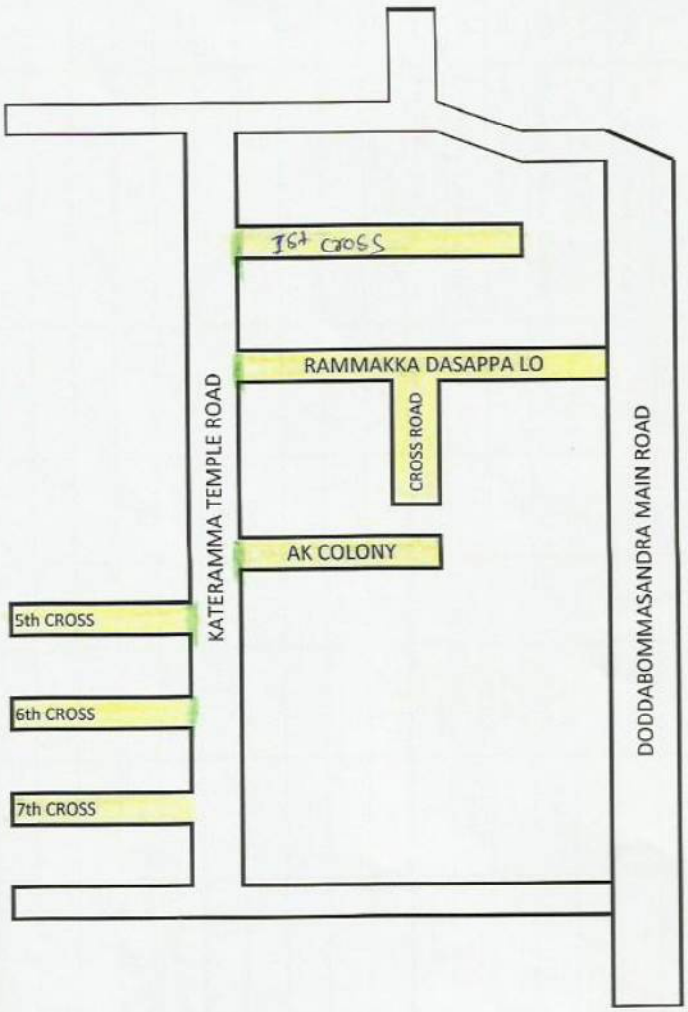
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For 30.00 lakh Rs
Head of A/C.....
CER NO :.....07 Dt:19-08-15

TA

CE (YNK)

Name of Work: Improvements to Roads & Drains near Apoorva Appartments & surroundins Roads in Ward No. 10 (Doddabommasandra) Vidyaranyapura Sub Division.

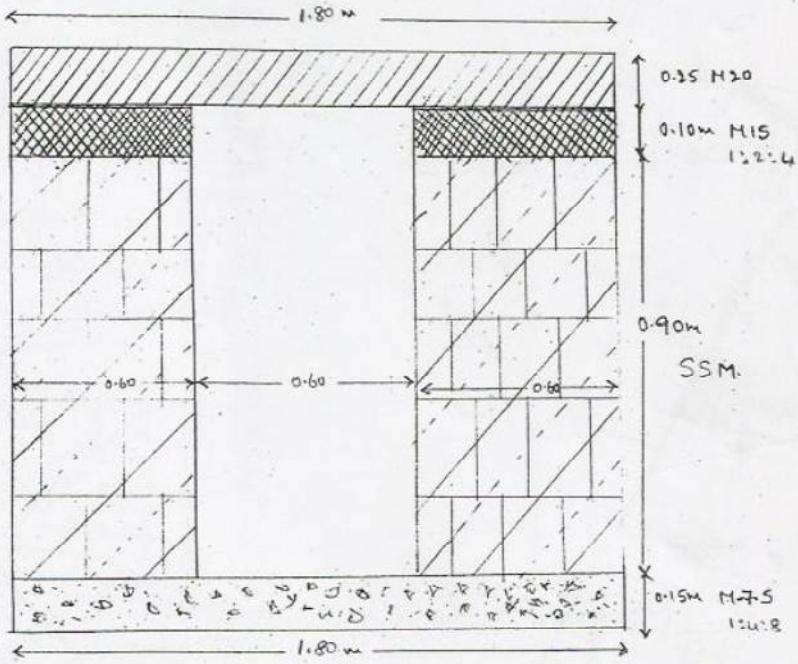


Index
□ -> proposed CC Road.
□ -> proposed culverts

Badhau
AE W-10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Name of Work: Improvements to Roads & Drains near Aproova Apartment & Surrounding Roads in Ward No. 10 (Doddabommasandra) Vidyaranyapura Sub Division.



CROSS SECTION OF CULVERT

Zaidan
AE W-10

Assistant Executive Enginee
Vidyaranyapura Sub Divisio
BBMP, Bangalore - 97